

LED Intelligent Driver

- Dimming interface: DMX512/RDM, Push DIM.
- With the RDM remote device management protocol.
- PWM digital dimming, no alter LED color rendering index.
- 0~100% flicker-free, achieve the level of exemption assessment.
- Dimming range from 0-100%, LED start at 0.1% possible.
- Over-heat / Over voltage / Over load / Short circuit protection, recover automatically.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor I / II/III type lamps application.



Dimmable:

 0.1%-100%



Flicker-free

High frequency exemption level.

SELV



RoHS



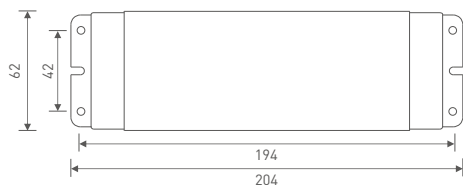
Specification

Model		DMX-75-12-F1M1	DMX-75-24-F1M1
OUTPUT	Output Voltage	12Vdc	24Vdc
	Output Voltage Range:	12Vdc \pm 0.5Vdc	24Vdc \pm 0.5Vdc
	Output Current	Max. 6.25A	Max. 3.12A
	Output Power	Max. 75W	
	Output Power Range	0-75W	
	Strobe Level	High frequency exemption level.	
	Dimming Range:	0~100%, dimming depth: Max. 0.1%	
	Overload Power Limitation	\geq 102%	
	Ripple & Noise	\leq 200mV	
	PWM Dimming Frequency	3600Hz	
INPUT	Dimming Interface	DMX/RDM, Push Dim	
	Input Voltage	100-240Vac	
	Frequency	50/60Hz	
	Input Current	120Vac \leq 0.9A, 230Vac \leq 0.45A	
	Power Factor	PF>0.99/115Vac, PF>0.95/230Vac, at full load	
	THD	<6% at 115Vac, <12% at 230Vac, at full load	
	Efficiency(typ.)	85%	87%
	Inrush Current(typ.)	Cold start 60A at 230Vac	
	Anti Surge	L-N: 1kV L/N-G: 2kV	
Leakage Current	I/P-O/P: <0.5mA/230Vac, I/P-GND: <0.75mA/230Vac		
ENVIRONMENT	Working Temperature	ta: -30°C ~ 60°C tc: 85°C	ta: -30°C ~ 60°C tc: 80°C
	Working Humidity	20 ~ 95%RH, non-condensing	
	Storage Temp., Humidity	-40°C ~ 80°C, 10~95%RH	
	Temp. Coefficient	\pm 0.03%/°C (0-50°C)	
	Vibration	10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.	
PROTECTION	Over-heat Protection	Intelligently adjusting or turning off the output current if the PCB temperature \geq 110°C, auto recovers.	
	Over Load Protection	Power limit when rated power \geq 102%, auto recovers.	
	Short Circuit Protection	Shut down automatically if short circuit occurs, auto recovers.	
	Over Voltage Protection	Shut down the output when non-load voltage \geq 15V, re-power on to recover after fault condition is removed.	Shut down the output when non-load voltage \geq 27V, re-power on to recover after fault condition is removed.
SAFETY & EMC	Withstand Voltage	I/P-O/P: 3750Vac I/P-GND: 1800Vac	
	Isolation Resistance	I/P-O/P: 100M Ω /500VDC/25°C/70%RH	
	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13	
	EMC Emission	EN55015, EN61000-3-2 Class C, IEC61000-3-3	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547	
	Strobe Test Standard	IEEE-PAR 1789	
OTHERS	Dimension	204 \times 62 \times 34mm(L \times W \times H)	
	Packing	206 \times 64 \times 39mm(L \times W \times H)	
	Weight(G.W.)	490g \pm 10g	

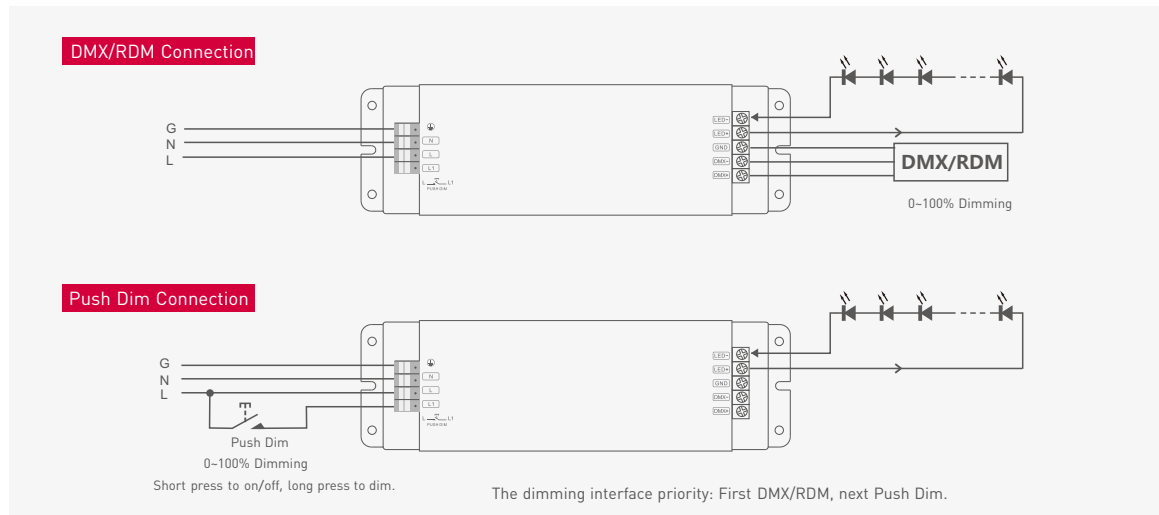
* The driver is suitable for connecting resistor current-limiting LED fixture (e.g. LED strip). The instantaneous surge current will be several times increased if connecting built-in constant current IC current-limiting LED fixtures, the driver will activate the overloaded protection (hiccups flickering). When you order, please remark controlling the constant current LED fixture (e.g. MR16 lamp, underground light, LED wall washer, constant current LED strip, etc.), then we can prepare the special programs.

Dimensions

Unit: mm



Wiring Diagram



Push Dimming



Reset switch

- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

RDM Mode: The dip switch 1-9 are OFF .



DMX Address Setting :

E.g.1: Set Initial Address To 32.



E.g.2: Set Initial Address To 37.



$$001+004+032=37$$

DMX address value = the total value of [1-9], to get the place value when in "on" position,